

REMARKS

In the Office Action mailed July 1, 2004, the Examiner noted that claims 1-8, 12, 13, 16 and 17 were pending, that claims 9-11, 14, 18 and 19 have been withdrawn from consideration, and rejected claims 1-8, 12, 13, 16 and 17. No status for claim 15 has been indicated as noted below. Claims 1, 2, 5, 6, 13, 16 and 17 have been amended, claims 8 and 12 have been cancelled, new claim 20 has been added and, thus, in view of the forgoing claims 1-8, 12, 13, 16, 17 and 20 remain pending for reconsideration which is requested. No new matter has been added. The Examiner's rejections are traversed below.

In the Action the Examiner did not indicate the status of claim 15 (either allowed, rejected or withdrawn). However, it is believed that claim 15 should have a withdrawn status. If this is not correct the Examiner is requested to reissue the Action clarifying the status of claim 15.

On page 2 of the Office Action, the Examiner rejected claims 1, 8, 12, 13, 16 and 17 under 35 U.S.C. § 102 as anticipated by Kaneko. Page 3 of the Office Action rejects claims 2 and 4-7 under 35 U.S.C. § 103 over Kaneko and Enomoto. Page 6 of the Office Action rejects claim 3 under 35 U.S.C. § 103 over Kaneko and Bowen.

The present invention is directed to a system that improves the versatility and usefulness of movable display elements that can be combined and displayed on a display screen. For example, the reusable and movable element might be a golfer swinging a golf club. To do this the present invention has a number of plot information generators that, in parallel, produce plot information for movable elements. The "plot information" or display attribute data from the plural devices is provided to an image management device or image managers. The image managers store the image ("image data of each image") that is being displayed. The managers also combine the plot information or display attribute data from the plural generators with the images to be plotted or displayed and supply it to the plot device that plots or displays the images responsive to the attributes. To improve flexibility and speed, the plot information or display attribute data provided by the generators includes plot or spatial position (such as the position of the golfer), size (such as the size of the golfer) and rotation angle (such as the angle of the golf club in the swing). The system allows several generators to provide such information for several movable elements, such as a car having rotating wheels moving in a scene where the golfer is swinging the golf club. That is, by allowing the generators in a multiple generator system to focus on generating such display attribute information and allowing the image managers to focus on combining the attribute information with the images that are to be displayed, the present

invention improves versatility and speed. The features discussed above are emphasized in independent claims 1, 13, 16 and 17.

Kaneko is directed to a system that includes plural displays. The displays include associated memories for storing control data, which is data for drawing the images of each of the displays. There is no discussion in Kaneko of providing plot or display attribute information that controls the spatial position, size and rotation position of an image or of providing a manager that combines this information with the image being display to allow it to be plotted or displayed at the spatial position, size and rotation position specified.

Enomoto is directed to an image analyzer that analyzes a dynamic image to obtain motion information for objects that include object velocity vectors. There is no discussion in Enomoto of plural generators generating display attributes for movable elements and a manager combining the attributes with the image to be displayed to display such. That is, Enomoto adds nothing to Kaneko with respect to the features of the present invention discussed above.

Bowen is directed to a method for combining video streams, which is data that already includes the image and the position of an image on a display. There is no discussion in Bowen of plural generators generating display attributes for movable elements and a manager combining the attributes with the image to be displayed to display such. That is, Bowen adds nothing to Kaneko and Enomoto with respect to the features of the present invention discussed above.

It is submitted that the invention of the independent claims distinguishes over the prior art and withdrawal of the rejection is requested.

The dependent claims depend from the above-discussed independent claims and are patentable over the prior art for the reasons discussed above. The dependent claims also recite additional features not taught or suggested by the prior art. For example, claim 2 emphasizes that the plot information includes a global spatial coordinate. The prior art does not teach or suggest this. As another example, claim 5 emphasizes a storage device that stores a string of the plot or attribute information allowing a movement sequence to be preformed by combining the string with the image. That is, it allows easy reuse of movements. The prior art does not teach or suggest this. It is submitted that the dependent claims are independently patentable over the prior art.

New claim 20 emphasizes that display attributes, including spatial position, size and rotational position, are generated by devices corresponding to the images to be displayed and that the attribute information is combined by a manager with the images to be displayed and

then displayed by a display device. Nothing in the prior art teaches or suggests such. It is submitted that the new claim, which is different and not narrower than prior filed claims, distinguishes over the prior art.

It is submitted that the claims are not taught, disclosed or suggested by the prior art. The claims are therefore in a condition suitable for allowance. An early Notice of Allowance is requested.

If any further fees, other than and except for the issue fee, are necessary with respect to this paper, the U.S.P.T.O. is requested to obtain the same from deposit account number 19-3935.

Respectfully submitted,

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By: _____



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